

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

|  | DAT  | A MATRIX    |  |        |                 |
|--|--|-------------|--|--------|-----------------|
| Date 8/8/2008  Applicant's/Registrant's Name & Address Adchem (Australia) Pty Ltd, PO Box 103, Buraa, SA 5417, AUSTRALIA |  |             | EPA Reg No./File Symbol 56248-2                          |        | Page 1 of 3     |
|  |  |             | Product Technical Grade Basic Cupric Carbonate           |        |                 |
| Ingredient Copper Carbonate [022   | 2901]  |             |  |        |                 |
| Guideline Reference Number   | Guideline Study Name                                       | MRID Number | Submitter  | Status | Note            |
| 830.1550   | Product Identity and composition                           | 45563201    | Adchem (#56248)  | OWN    |                 |
| 830.1600   | Description of materials used to produce the product       | 45563201    | Adchem (#56248)  | OWN    |                 |
| 830.1620   | Description of production process                          | 45563201    | Adchem (#56248)  | OWN    |                 |
| 830.1650   | Description of formulation process                         | NA          | NA   | NA     | 1.              |
| 830.1670   | Discussion of formulation of impurities                    | 45563201    | Adchem (#56248)  | OWN    |                 |
| 830.1700   | Preliminary analysis                                       | 45563202    | Adchem (#56248)  | OWN    |                 |
| 830.1750   | Certified limits   | 45563202    | Adchem (#56248)  | OWN    |                 |
| 830.1800   | Enforcement analytical method                              | 45563202    | Adchem (#56248)  | OWN    |                 |
| 830.6302   | Color  | 45563203    | Adchem (#56248)  | OWN    |                 |
| 830.6303   | Physical state   | 45563203    | Adchem (#56248)  | OWN    |                 |
| 830.6304   | Odor   | 45563203    | Adchem (#56248)  | OWN    |                 |
| 830.6313   | Stability to sunlight, normal & elevated temperatures, etc | 45802001    | Adchem (#56248)  | OWN    |                 |
| 830.6314   | Oxidising or reducing action                               | 45563203    | Adchem (#56248)  | OWN    |                 |
| 830.6315   | Flammability   | 45563203    | Adchem (#56248)  | OWN    |                 |
|  | (000   |             |  |        |                 |
| Signature  |  | •           | Name and Title Simon Kibble, General Manager- Operations |        | Date 08/08/2008 |



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|   |                                      |             | Product Technical Grade Basic Cupric Carbonate           |        |                    |
| Ingredient Copper Carbonate [022901   | ]                                    |             |  |        |                    |
| Guideline Reference Number  | Guideline Study Name                 | MRID Number | Submitter  | Status | Note               |
| 830.6316  | Explodability                        | 45563203    | Adchem (#56248)  | OWN    |                    |
| 830.6317  | Storage stability of product         | 46035901    | Adchem (#56248)  | OWN    |                    |
| 830.6319  | Miscibility                          | 45563203    | Adchem (#56248)  | OWN    |                    |
| 830.6320  | Corrosion characteristics            | 45802001    | Adchem (#56248)  | OWN    |                    |
| 830.6321  | Dielectric breakdown voltage         | 45563203    | Adchem (#56248)  | OWN    |                    |
| 830.7000  | pH of water solutions or suspensions | 45563203    | Adchem (#56248)  | OWN    |                    |
| 830.7050  | UV/Visible absorption                | 47493001    | Adchem (#56248)  | OWN    |                    |
| 830.7100  | Viscosity                            | 45563203    | Adchem (#56248)  | OWN    |                    |
| 830.7200  | Melting point/melting range          | 45563203    | Adchem (#56248)  | OWN    |                    |
| 830.7220  | Boiling point/boiling range          | 45563203    | Adchem (#56248)  | OWN    |                    |
| 830.7300  | Density/ relative density            | 45563203    | Adchem (#56248)  | OWN    |                    |
|   |                                      |             |  |        |                    |
|   |                                      |             |  |        |                    |
|   |                                      |             |  |        |                    |
| 1.  | /no                                  |             |  |        |                    |
| Signature   |                                      |             | Name and Title Simon Kibble, General Manager- Operations |        | Date<br>08/08/2008 |



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|   |  |             | Product Technical Grade Basic Cupric Carbonate           |        |                 |
| Ingredient Copper Carbonate [022  | 2901]  |             |  |        |                 |
| Guideline Reference Number  | Guideline Study Name                                     | MRID Number | Submitter  | Status | Note            |
| 870.1100  | Acute oral toxicity                                      | 46035902    | Adchem (#56248)  | OWN    |                 |
| 870.1200  | Acute dermal toxicity                                    | 46035903    | Adchem (#56248)  | OWN    |                 |
| 870.1300  | Acute inhalation toxicity                                | 47493002    | Adchem (#56248)  | OWN    |                 |
| 870.2400  | Acute eye irritation                                     | 46035904    | Adchem (#56248)  | OWN    |                 |
| 870.2500  | Acute dermal irritation                                  | 46035905    | Adchem (#56248)  | OWN    |                 |
| 870.2600  | Skin sensitization                                       | 47493003    | Adchem (#56248)  | OWN    |                 |
|   |  |             |  |        |                 |
|   | Note 1: The product consists solely of a technical grade |             |  |        |                 |
|   | active ingredient and as per 40 CFR 158.165,             |             |  |        |                 |
|   | Description of formulation process is not required       |             |  |        |                 |
|   |  |             |  |        |                 |
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| Signature   | llall  |             | Name and Title Simon Kibble, General Manager- Operations |        | Date 08/08/2008 |



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| Applicant's/Registrant's Name & Address<br>Adchem (Australia) Pty Ltd, PO Box 103, Buraa, SA 5417, AUSTRAL!A |  |             | Product Technical Grade Basic Cupric Carbonate           |        |                 |
| Ingredient Copper Carbonate [02290   | 1]   |             |  |        |                 |
| Guideline Reference Number   | Guideline Study Name                                       | MRID Number | Submitter  | Status | Note            |
| 830.1550   | Product Identity and composition                           | 45563201    | Adchem (#56248)  | OWN    |                 |
| 830.1600   | Description of materials used to produce the product       | 45563201    | Adchem (#56248)  | OWN    |                 |
| 830.1620   | Description of production process                          | 45563201    | Adchem (#56248)  | OWN    |                 |
| 830.1650   | Description of formulation process                         | NA          | NA   | NA     | 1.              |
| 830.1670   | Discussion of formulation of impurities                    | 45563201    | Adchem (#56248)  | OWN    |                 |
| 830.1700   | Preliminary analysis                                       | 45563202    | Adchem (#56248)  | OWN    |                 |
| 830.1750   | Certified limits   | 45563202    | Adchem (#56248)  | OWN    |                 |
| 830.1800   | Enforcement analytical method                              | 45563202    | Adchem (#56248)  | OWN    |                 |
| 830.6302   | Color  | 45563203    | Adchem (#56248)  | OWN    |                 |
| 830.6303   | Physical state   | 45563203    | Adchem (#56248)  | OWN    |                 |
| 830.6304   | Odor   | 45563203    | Adchem (#56248)  | OWN    |                 |
| 830.6313   | Stability to sunlight, normal & elevated temperatures, etc | 45802001    | Adchem (#56248)  | OWN    |                 |
| 830.6314   | Oxidising or reducing action                               | 45563203    | Adchem (#56248)  | OWN    |                 |
| 830.6315   | Flammability   | 45563203    | Adchem (#56248)  | OWN    |                 |
|  | //ha   |             |  |        |                 |
| Signature  Name and Title  Simon Kibble, General Manager- Oper   |  |             | Name and Title Simon Kibble, General Manager- Operations |        | Date 08/08/2008 |



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| Ingredient Copper Carbonate [022  | 2901]  |             |  |                 |             |
| Guideline Reference Number  | Guideline Study Name   | MRID Number | Submitter                                      | Status          | Note        |
| 830.6316  | Explodability  | 45563203    | Adchem (#56248)                                | OWN             |             |
| 830.6317  | Storage stability of product                                     | 46035901    | Adchem (#56248)                                | OWN             |             |
| 830.6319  | Miscibility  | 45563203    | Adchem (#56248)                                | OWN             |             |
| 830.6320  | Corrosion characteristics  | 45802001    | Adchem (#56248)                                | OWN             |             |
| 830.6321  | Dielectric breakdown voltage                                     | 45563203    | Adchem (#56248)                                | OWN             |             |
| 830.7000  | pH of water solutions or suspensions                             | 45563203    | Adchem (#56248)                                | OWN             |             |
| 830.7050  | UV/Visible absorption  | 47493001    | Adchem (#56248)                                | OWN             |             |
| 830.7100  | Viscosity  | 45563203    | Adchem (#56248)                                | OWN             |             |
| 830.7200  | Melting point/melting range                                      | 45563203    | Adchem (#56248)                                | OWN             |             |
| 830.7220  | Boiling point/boiling range                                      | 45563203    | Adchem (#56248)                                | OWN             |             |
| 830.7300  | Density/ relative density  | 45563203    | Adchem (#56248)                                | OWN             |             |
|   |  |             |  |                 |             |
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|   | , o/) -  |             |  |                 |             |
| Signature   | nature  Name and Title Simon Kibble, General Manager- Operations |             |  | Date 08/08/2008 |             |



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| Ingredient Copper Carbonate [02  | 2901]  |             |  |              |             |
| Guideline Reference Number   | Guideline Study Name                                     | MRID Number | Submitter                                      | Status       | Note        |
| 870.1100   | Acute oral toxicity                                      | 46035902    | Adchem (#56248)                                | OWN          |             |
| 870.1200   | Acute dermal toxicity                                    | 46035903    | Adchem (#56248)                                | OWN          |             |
| 870.1300   | Acute inhalation toxicity                                | 47493002    | Adchem (#56248)                                | OWN          |             |
| 870.2400   | Acute eye irritation                                     | 46035904    | Adchem (#56248)                                | OWN          |             |
| 870.2500   | Acute dermal irritation                                  | 46035905    | Adchem (#56248)                                | OWN          |             |
| 870.2600   | Skin sensitization                                       | 47493003    | Adchem (#56248)                                | OWN          |             |
|  |  |             |  |              |             |
|  | Note 1: The product consists solely of a technical grade |             |  |              |             |
|  | active ingredient and as per 40 CFR 158.165,             |             |  |              |             |
|  | Description of formulation process is not required       |             |  |              |             |
|  |  |             |  |              |             |
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|  |  | -           | <u> </u>                                       | <del> </del> |             |
|  |  |             |  |              |             |
| Signature  | Signature Name and Title                                 |             |  |              | Date        |
| STATELY .  |  |             | Simon Kibble, General Manager- Operations      |              | 08/08/2008  |